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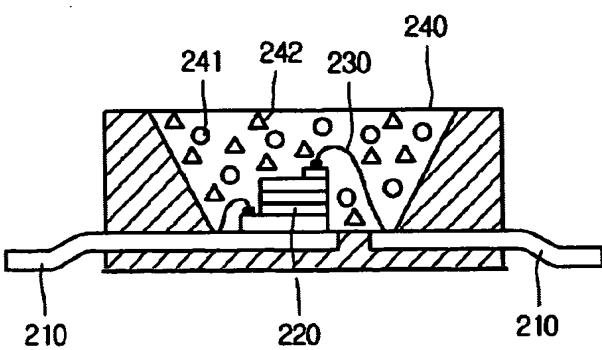
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(54) Title: PHOSPHOR AND LIGHT EMITTING DEVICE USING THE SAME



(57) Abstract: There are provided a phosphor and a light emitting device using the same, wherein in order to embody a desired wavelength of light, in a state where a first phosphor and a second phosphor are mixed in a light transmitting member, both of light excited by an excitation light source and the excitation light source are emitted to the outside and embody a white light source. Further, the first phosphor has a chemical formula of $Sr_{4-x}Mg_{x}Ba_xZr_{2}SiO_8:Eu_{x/2}$ ($0 < x < 1$, $0 < y < 1$, $0 < z < 1$) and the second phosphor has a chemical formula of $Sr_{3-x}SiO_5:Eu + x$ ($0 < x < 1$).